

Computational Thinking Unplugged

Audience: District Leadership, School Leadership, Coaches, Teachers/Educators
Grade Level(s): K-12
Format: Full Day

Overview

Digital Promise's Computational Thinking Unplugged workshop introduces K-12 teachers to [key concepts of computational thinking](#) through hands-on activities and discussions. All the activities are completely "unplugged" (no computers) and collaborative. Participants will leave with an understanding of and learning activities for exploring algorithms, data, and the role of computing in our society.

This program is for all teachers interested in integrating computational thinking into their classes while targeting key subject area standards at the same time. No prior experience with computational thinking, computer science, or coding necessary.

Outcomes

As a result of engaging in this workshop, participants will have an understanding of how computational thinking foundations and practices can be applied across content areas and grades. Educators will feel empowered to begin integrating computational thinking foundations and practices into their classroom.

Evidence

Computational Thinking is a skill set for solving complex problems, a way to learn topics in many disciplines, and a necessity for fully participating in a computational world ([Digital Promise 2017](#)). [Key concepts of computational thinking](#) can be applied to enhance student learning in any subject area. Computational Thinking practices are a required component of several sets of standards including [Next Generation Science Standards](#), [ISTE Standards for Students](#), and the [CSTA K-12 Computer Science Framework](#).

Earn Micro-credentials

This workshop supports educators to earn the [Developing Computational Literacies](#) and [Integrating Computational Thinking into Curriculum micro-credentials](#).

Contact us at learning@digitalpromise.org to learn more.



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